

Tropical Storm Jacob (03W)

Tropical Storm (TS) Jacob (03W) was the third tropical cyclone as well as the third named storm of the 1999 season. This cyclone formed 120 nm west of Yap and reached a maximum intensity of 35 kt before making landfall on the southeast corner of Luzon, near Virac, Province of Cataduanes, at 091800Z April.

JTWC issued a Tropical Cyclone Formation Alert at 060330Z April on a low pressure area which displayed distinct cloud lines moving into a broad center (see Figure 1-03-1). The first warning for TD 03W was issued at 060900Z April as a 25 kt cyclone. Tropical Storm Jacob initially moved northward and then westward under the steering influence of a subtropical ridge located to its north.

As the cyclone slowly intensified to a 30 knot system, it began to accelerate as it reached its maximum intensity of 35 knots at 081800Z April. As TS Jacob reached its maximum intensity it began to enter a region of moderate to severe vertical wind shear. Subsequently, TS Jacob became a totally exposed low level circulation by 082330Z April (see Figure 1-03-2), and weakened before making landfall on the southeast coast of Luzon. JTWC issued the 16th and final warning at 100300Z April.

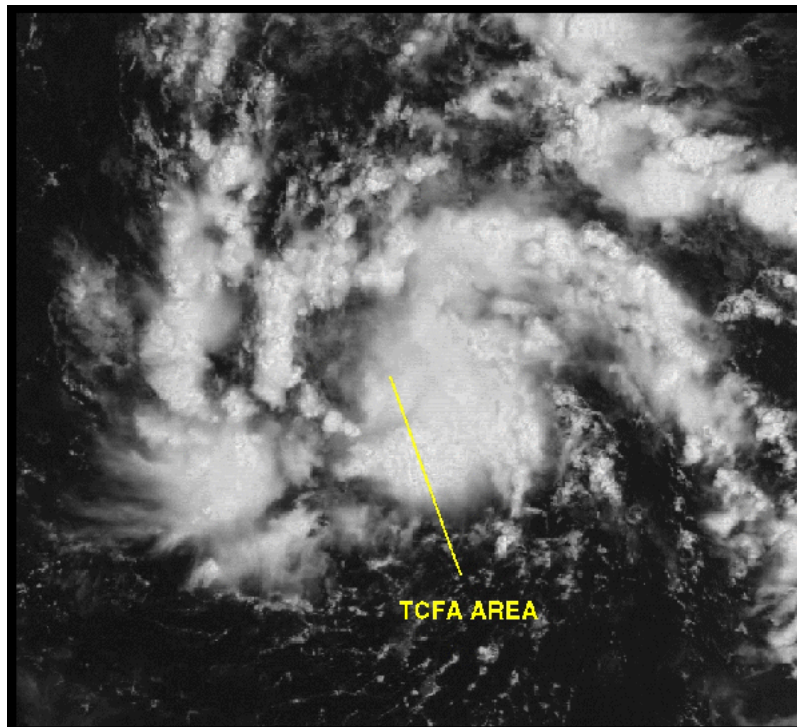


Figure 1-03-1. An infrared satellite image of the tropical disturbance which would become TS Jacob (03W).

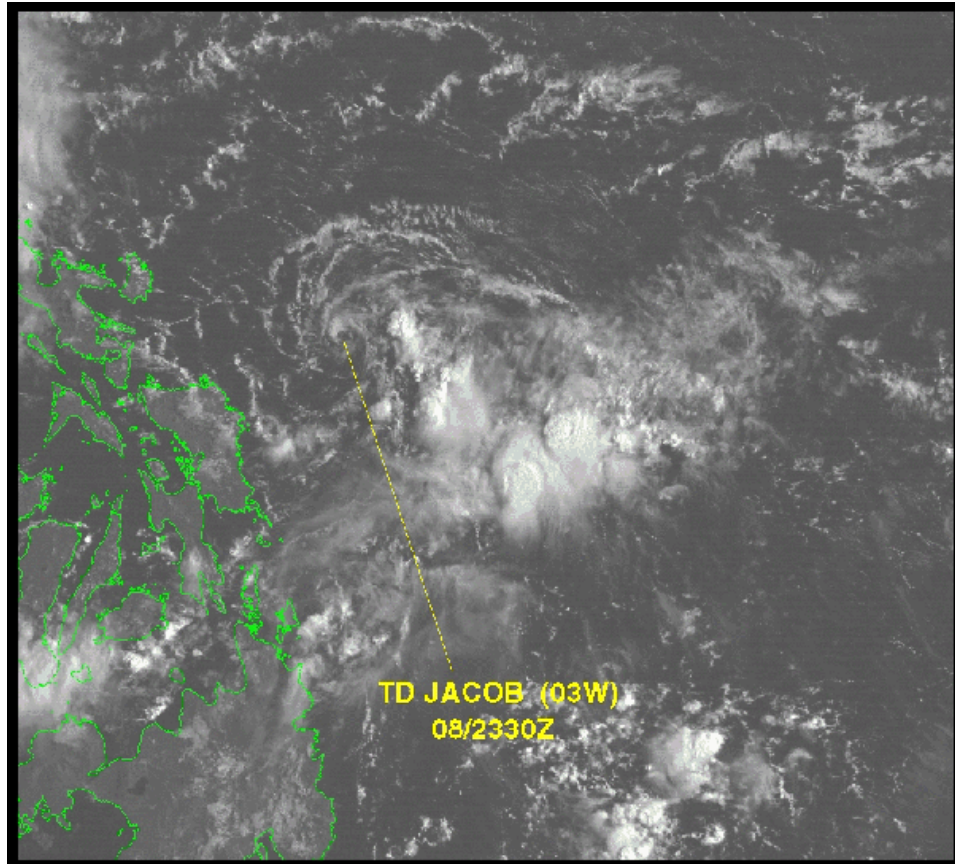


Figure 1-03-2. A visible satellite image of TD JACOB (03W) as it became a fully exposed low-level circulation just east of the Philippines.

